



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 25 2179

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 847 941 A (SAITO RYOJI ET AL) 8 December 1998 (1998-12-08) * column 13, line 40 - line 52; figures 9,11C *	1-31	H02M3/335
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 106 (E-1044), 13 March 1991 (1991-03-13) & JP 02 311171 A (NEC CORP), 26 December 1990 (1990-12-26) * abstract * * figures 1,2 *	1-18, 22-24, 27-31	
E	WO 02 060066 A (ERICSSON TELEFON AB L M ;ERIKSSON JONAS (SE)) 1 August 2002 (2002-08-01) * page 4; figure 3 *	1-6, 8-10,12, 13, 15-17, 22-24, 27-31	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H02M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 8 January 2004	Examiner Imbernon, L
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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